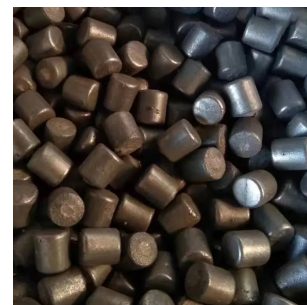


Medium Chrome Cylpebs ZQCr5

Product datasheet - grinding media and wear parts

Data sheet for Medium Chrome Cylpebs ZQCr5.



Diameter tolerance and Length tolerance

Diameter (mm)	8x10	10x12	12x14	14x16	16x18	18x20	20x25
25x30	30x35	35x40	40x45	45x50	50x55	55x60	
Diameter tolerance(mm)	+1, -1	+1, -1	+1, -1	+1, -1	+1, -1	+1, -1	+1, -1
Length tolerance (mm)	+2, -2	+2, -2	+2, -2	+2, -2	+2, -2	+2, -2	+2, -2

Technical specification

Material Gr.	Diameter(mm)	Hardness(HRC)	Breakage rate	Impact value(J/cm2)	Drop times(times)	Micro structure
ZQCr5	17-150	>47	<1%	>2	>=10000	M+C

Chemical composition

Material Gr.	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)	Chemical composition (%)
	C	Si	Mn	Cr	Mo	Cu	Ni	P	S
ZQCr5	2.1-3.3	1.5max	0.3-1.5	4.0-6.0	0-1.0	0-0.8	■	<=0.10	<=0.10

Typical applications

Casting Steel : Produced by pouring molten alloy into molds, followed by controlled heat treatment to refine microstructure.; Cylpebs : Cylindrical grinding media (25-100 mm in size) with a truncated conical shape, optimizing surface contact in mills compared to spherical balls.; Hardness : 50-60 HRC (lower than high chrome), due to fewer chromium carbides and a tempered martensitic/bainitic matrix.; Wear Resistance : Moderate, relying on dispersed carbides (e.g., Cr₇C₃) and matrix hardness. Suitable for less abrasive environments.; Impact Toughness : Higher than high chrome alloys due to reduced carbide volume and ductile microstructure..

Ordering notes

Minimum order, lead time and packing are confirmed against the size mix or drawing in your enquiry. Each shipment carries a test report with chemistry, hardness, impact value and breakage rate for the heat. Payment terms: T/T with 30% deposit, or irrevocable L/C at sight. Shipping: FOB Qingdao, CIF or DAP.

Ordering and technical support

Send the mill type, media size or liner drawing, quantity and destination port. We reply with a quotation, packing plan and lead time within 12 hours.

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Product page: <https://grindium.com/products/mill-grinding-cylpebs/cast-grinding-cylpebs/medium-chrome-alloy-casting-steel-cylpebs-zqcr5/>

